

## Patent Claims

1. Use of aqueous hypo-oncotic solutions containing electrolyte and chemically modified high molecular weight crosslinked hyperpolymeric hemoglobins to prepare an agent for the treatment of acute pulmonary edema.
2. Use pursuant to Claim 1, characterized in that the chemically modified hyperpolymeric hemoglobins originate from humans, swine, or cattle.
3. Use pursuant to one of the claims 1 or 2, characterized in that the oncotic pressure in the aqueous electrolyte solutions is below 5 mbar.
4. Use pursuant to one of the claims 1 to 3, characterized in that sodium chloride is contained at a concentration between 50 and 150 g/L.
5. Use pursuant to one of the claims 1 to 4, characterized in that electrolytes are contained corresponding to the physiological medium.

6. Use pursuant to one of the claims 1 to 5, characterized in that a polyalkylene oxide is covalently bonded to the modified hyperpolymeric hemoglobin.
7. Use pursuant to one of the claims 1 to 6, characterized in that the agent is administered by intravascular injection in the form of the aqueous solution.
8. Use pursuant to one of the claims 1 to 7, characterized in that the agent is administered one or more times in the form of the aqueous solution.